



Low Power Control Monitor for use in Non-Hazardous Areas

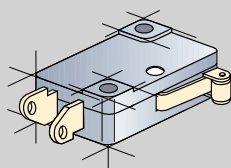
Quantum® General Purpose

Designed specifically for general purpose applications, position sensors and low-energy Falcon™ solenoid valves are integrated into a single unit adhering to NEMA 4, 4X requirements. Available in engineered resin or aluminum enclosures, the Quantum® standardly houses two SPDT Form C Micro switches and is available with a wide range of integrated solenoid

valves in both three-way and four-way configurations. Falcon solenoid valves are available in a variety of coil voltages and body materials with stainless steel internals as standard. Cv. values range from .3 to 3.5.



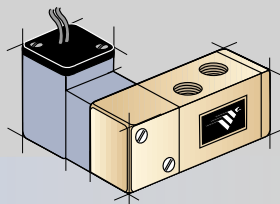
Standard Sensor Options



Micro-Switch V3

SPDT Form C, UL, CSA

AMPS	SPDT (V3)		DPDT (Licon)	
	VAC	VDC	AMPS	VAC
15	125		10	125
15	250		10	250
10		24		
.50		125		
.25		250		



COIL POWER SUPPLY

	COILS			
	24 VDC	120 VAC	125 VDC	220 VAC
Operating Voltage	24 VDC	120 VAC	125 VDC	220 VAC
Wattage	0.5 Watts	4 Watts	0.85 Watts	4 Watts
Operating Current	20 mA	29.5 mA	6.76 mA	19 mA
Coil Resistance	1200 Ohms	610 Ohms	18500 Ohms	2200 Ohms

Quantum® General Purpose

AREA CLASSIFICATIONS
NEMA 4, 4x

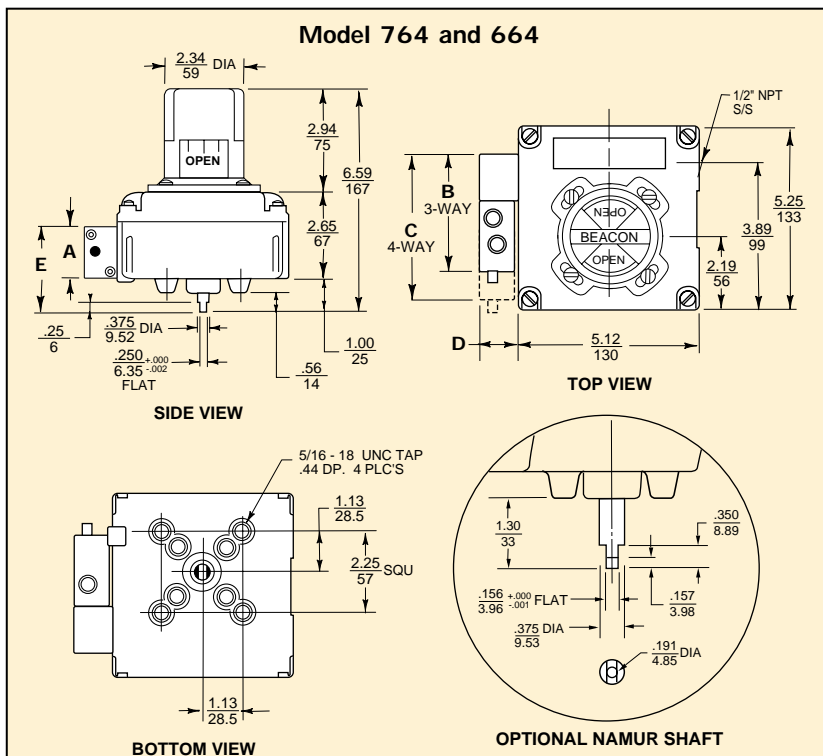
ORDERING GUIDE  (FALCON® SOLENOID)

COILS	CV	Body	3-Way	4-Way
FSO 24 VDC 0.5 watts	.3 Cv	Brass	2100	2500
		Alum.	3100	3500
		303 S.S.	4100	4500
		316 S.S.	5100	5500
FAO 120 VAC 4.0 watts	.5 Cv	Delrin	6100	6500
		Brass	2200	2600
		Alum.	3200	3600
		303 SS	4200	4600
FVO 125 VDC 0.85 watts	.5 Cv	316 S.S.	5200	5600
		Delrin	6200	6600
		Brass	2300	2700
		Alum.	3300	3700
FHO 220 VAC 4.0 watts	1.2 Cv	303 S.S.	4300	4700
		316 S.S.	5300	5700
		Delrin	6300	6700
		Alum.	3400	3800
		Delrin	6400	6800

OPTIONAL FEATURES (See BULLETIN NO. Q-18.00)

DIMENSIONS (inches/mm)

Model 764 and 664

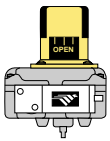

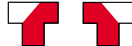

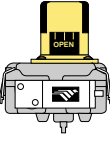

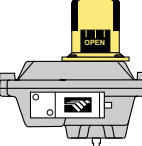

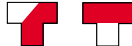






Model 784 Dimensions (BULLETIN NO. Q-11.00)

Solenoid Valve	Dimensions				
	A	B (3-WAY)	C (4-WAY)	D	E
.3 & .5 Cv	1.50	3.31	4.06	1.13	2.62
1.2 Cv	2.00	4.50	5.50	1.38	2.87
3.5 Cv	2.75	5.25	6.56	1.88	3.28

Note: Minimum operating pressure: 45 psi.

ORDERING GUIDE

QUANTUM™ LP	BEACON™	3-WAY BEACON™	SENSOR	SOLENOID (Falcon®)
764 Engineered Resin 	STANDARD (Black & Yellow) BY 	90° Rotation B1 	Mech. (SPDT) M2 Mech. (DPDT) M4	Use above listing for ordering solenoid 
	664 Engineered Resin w/ Latch Cover 	ANSI YELLOW (Inherently Hazardous) AY 		
784 Aluminum 	ANSI GREEN (Liquid-Low Hazard) AG 	90° Rotation B5 	TRANSMITTERS Resistive Output: 1000 ohms RS Current Output: 4-20 mA CS	
	ANSI BLUE (Gas-Low Hazard) AB 	180° Rotation B7 	Available only in 784 Aluminum & 864 Resin	
	ANSI RED (Fire Quenching) AR 	180° Rotation B9 		

NOTE: Model 764 & 664 Max. 3 Switches, Model 784 Max. 4 Switches

Ordering Example: Quantum LP General Purpose, resin enclosure with standard black & yellow Beacon, 2 mechanical switches and Falcon 24 VDC/0.5 watts, .5 Cv, brass, 3-Way solenoid valve. 764-BY-M2-FSO-2200